

ORIGINAL  
FILE

Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554

MM 92-74

MAR 13 1992

In re the Matter of:

Amendment of Section 73.202(b),  
Table of Assignments,  
FM Broadcast Stations  
(Byrdstown, Tennessee)

RM 7952

RECEIVED

MAR 13 1992

TO: The Commission

Federal Communications Commission  
Office of the Secretary

PETITION FOR RULE MAKING

Comes now Donald Poore (hereafter "Petitioner"), pursuant to Section 1.401 of the Commission's Rules, and respectfully requests the Commission to institute a rule making proceeding looking toward the allocation of FM Channel 244-A to Byrdstown, Tennessee, as that community's first local FM allotment.

Proposal of Petitioner:

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Channel Numbers

	<u>PRESENT</u>	<u>PROPOSED</u>
Byrdstown, Tennessee	---	244-A

044

In support of this proposal, the following information is submitted:

1) Byrdstown is an incorporated city located in the northeast portion of the state, near the Kentucky State line.

2) Adoption of this proposal will provide Byrdstown with its first local commercial FM allotment.

3) Based on the information contained therein, it appears that the requested channel could be allotted to Byrdstown in full compliance with the minimum distance separation requirements of Section 73.207 of the Commission's Rules.

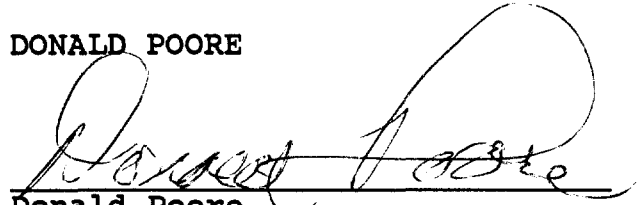
4) The Petitioner is a resident of the State of Kentucky, and is a citizen of the United States of America.

5) If this proposal is adopted, Petitioner will promptly apply, as an individual or as part of an entity, for authority to construct and operate a new FM broadcast station on the requested channel. If a construction permit is granted, Petitioner will promptly construct and operate the proposed station.

WHEREFORE, promises considered, this Petition for Rule making  
should be GRANTED.

Respectfully submitted,

DONALD POORE

A handwritten signature in cursive script, appearing to read "Donald Poore", written over a horizontal line.

Donald Poore  
Route 4 Box 781  
Albany, Kentucky 42602

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PROPOSED RULE MAKING  
FM CHANNEL 244 A  
BYRDSTOWN, TENNESSEE

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Federal Communications Commission  
Office of the Secretary  
MAR 13 1992

INTRODUCTION:

Donald Poore hereby requests that the Federal Communications Commission amend the FM Table of Assignments 73.202 (b), by adding channel 244 A to Byrdstown, Tennessee. As shown in the attached Figures 1 - 5, this addition to the Federal Communications Commission Table of Assignments can be accomplished with no other changes, and will not create any new preclusion area.

DISCUSSION:

Figure 1 is a computer tabulated separation clearance study which illustrates the channel meets all the restraints placed upon it by 73.202 with 80-90 considerations involved.

Figure 2 is a computer generated map which shows that channel 244 A can be utilized at Byrdstown, Tennessee.

Figure 3 is a tabulation of the contours which is necessary to illustrate that the proposed hypothetical site could produce the required signal strength taking into consideration the terrain around Byrdstown. This exhibit contains the following information, the average elevation in the 3 to 16 kilometer area from this site, effective antenna height utilizing the maximum Class A facility, and the distance to the 60 and 70 d.b.u. contours.

In order to determine the average terrain, a terrain study was conducted from the hypothetical site to determine the average terrain along the required radials which start at 0 and are spaced at 45 degree intervals. This study also takes into account the roughness factor and is shown in Figure 4.

Figure 5 illustrates that Channel 244 A can readily comply with the requirements of 47 CFR 73.315.

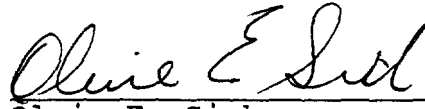
CONCLUSION:

Based on this information, and the figures that are included in this Report, we believe that the proposed assignment would be in full compliance with the Federal Communications Commission's Rules.

The Petitioner, Donald Poore, therefore, requests amendment of the Commission's Table of Assignments 73.202 (b), and will promptly apply for a construction permit, if the Federal Communications Commission makes the requested assignment.

Sisk Engineering, Inc. assumes no liability for any errors or omissions in the information hereby provided, and shall not be liable for any injuries or damages (including consequential) which might result from use of this engineering report. Sisk Engineering, Inc. assumes no liability for this report if it is accepted or rejected by the Federal Communications Commission. The Applicant agrees with these stated terms and conditions or this report is considered null

and void and is not to be utilized in any way or filed with  
the Federal Communications Commission.

  
Olvie E. Sisk

Date: March 3, 1992

CERTIFICATION

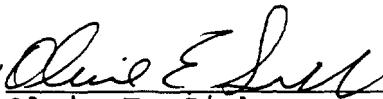
I, Olvie E. Sisk, do hereby certify under penalty of perjury;

That my qualifications in telecommunications matters are a matter of record before the Federal Communications Commission having been presented and accepted upon many occasions in the past;

That I am a consultant doing business at Fulton, Mississippi, specializing in technical topics pertaining to the broadcast industry and the associated RF transmission systems;

That I have been retained by Donald Poore to perform certain technical studies and prepare this report of same;

That the accompanying technical report and exhibits were prepared by me personally or under my immediate personal supervision and that all information presented therein is true and correct of my own knowledge and belief.

/s/   
Olvie E. Sisk

Executed on March 3, 1992

SUMMARY:

1. NAME OF APPLICANT: DONALD POORE
2. STATION LOCATION: BYRDSTOWN, KENTUCKY
3. HYPOTHETICAL COORDINATES - 36-38-18  
85-04-53
4. FACILITIES REQUESTED: CHANNEL 244 A
5. EFFECTIVE RADIATED POWER: 6 KW
6. HEIGHT OF ANTENNA RADIATION CENTER: 100 M (HAAT)
7. FIGURE 1 - SEPARATION & CLEARANCE STUDY
8. FIGURE 2 - COMPUTER GENERATED MAP
9. FIGURE 3 - TABULATED DISTANCE TO CONTOURS
10. FIGURE 4 - TERRAIN STUDY
11. FIGURE 5 - CITY GRADE CONTOUR

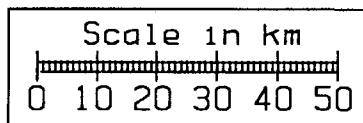


SISK ENGINEERING  
P.O. Box 549 - Fulton MS - 601 862-2233

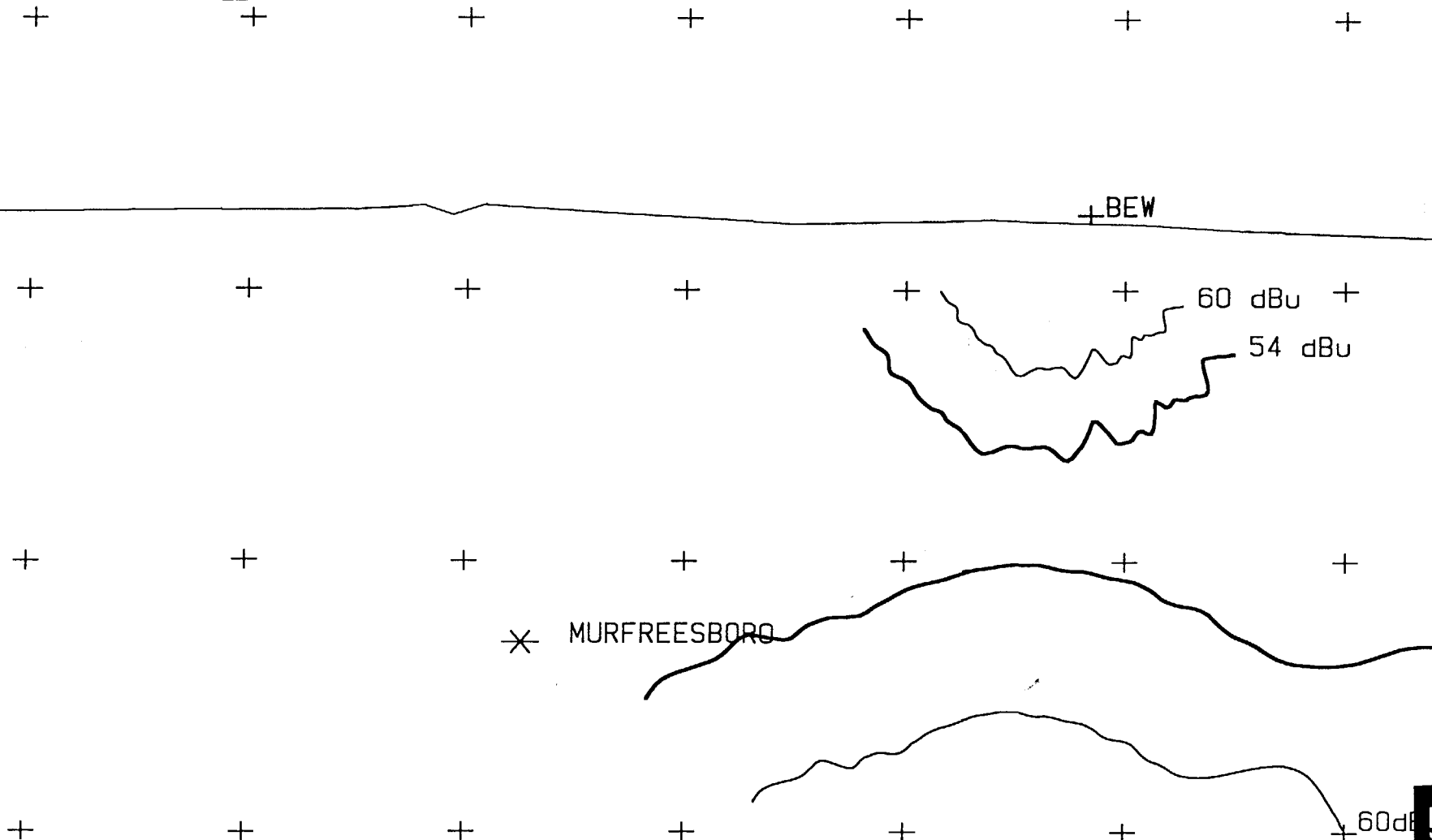
BYRDSTOWN TN  
DONALD POORE

REFERENCE		DISPLAY DATES
36 38 18 N	CLASS A	DATA 11-27-91
85 04 53 W	Current rules spacings	SEARCH 03-02-92
----- CHANNEL 244 - 96.7 MHz -----		

CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN
WDODFM	243C	Chattanooga	TN	187.5	165.34	165.0	0.34
ALOPEN	244C3	Bowling Green	KY	283.3	142.63	142.0	0.63
WSEK	246C2	Somerset	KY	52.0	58.12	55.0	3.12
WCBZ.A	244C3	Bowling Green	KY	284.0	146.16	142.0	4.16
WOKH.A	244A	Bardstown	KY	344.2	122.46	115.0	7.46
WCBZ	244A	Bowling Green	KY	287.5	134.81	115.0	19.81
WOKH	244A	Bardstown	KY	344.7	135.88	115.0	20.88



INTERCHK



244A - 6kW

WDODFM- BLH7039

243C - 100kW

EXHIBIT 2

TERRAIN AND CONTOUR DATA  
BYRDSTOWN TN.  
DONALD POORE

ERP = 6 kW  
FM - 2-6 Tables

Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km
0	317.5	99.0	7.782	28.1
45	348.6	67.9	7.782	23.4
90	408.8	7.7	7.782	15.9
135	333.9	82.6	7.782	25.7
180	305.5	111.0	7.782	29.8
225	273.9	142.6	7.782	33.1
270	251.5	165.0	7.782	35.3
315	292.1	124.4	7.782	31.3
<hr/>				
Ave. = 316.5 M		100.0 M		

Antenna Radiation Center AMSL = 416.5 M

Geographic Coordinates:

North latitude: 36 38 18  
West longitude: 85 04 53

## Predicted Signal Contours:

36 38 18 - byrdstown tn.  
85 04 53 -

ERP = 6 kW, 7.782 dBk      FM - 2-6 Tables					
Radial	HAAT	kW	dBk	Field	60 dBu.5
0 Degr.	99.0M	6.000	7.782	1.000	28.2
10 Degr.	65.9M	6.000	7.782	1.000	23.1
20 Degr.	56.4M	6.000	7.782	1.000	21.6
30 Degr.	81.5M	6.000	7.782	1.000	25.5
40 Degr.	30.2M	6.000	7.782	1.000	15.9
50 Degr.	66.5M	6.000	7.782	1.000	23.2
60 Degr.	52.4M	6.000	7.782	1.000	20.7
70 Degr.	65.8M	6.000	7.782	1.000	23.1
80 Degr.	48.0M	6.000	7.782	1.000	19.8
90 Degr.	7.7M	6.000	7.782	1.000	15.9
100 Degr.	-18.1M	6.000	7.782	1.000	15.9
110 Degr.	26.9M	6.000	7.782	1.000	15.9
120 Degr.	44.4M	6.000	7.782	1.000	19.0
130 Degr.	84.9M	6.000	7.782	1.000	26.1
140 Degr.	73.7M	6.000	7.782	1.000	24.3
150 Degr.	94.3M	6.000	7.782	1.000	27.5
160 Degr.	88.2M	6.000	7.782	1.000	26.6
170 Degr.	118.3M	6.000	7.782	1.000	30.6
180 Degr.	111.0M	6.000	7.782	1.000	29.8
190 Degr.	126.5M	6.000	7.782	1.000	31.5
200 Degr.	149.6M	6.000	7.782	1.000	33.8
210 Degr.	148.4M	6.000	7.782	1.000	33.7
220 Degr.	148.2M	6.000	7.782	1.000	33.7
230 Degr.	152.1M	6.000	7.782	1.000	34.1
240 Degr.	149.5M	6.000	7.782	1.000	33.8
250 Degr.	163.0M	6.000	7.782	1.000	35.1
260 Degr.	185.9M	6.000	7.782	1.000	37.2
270 Degr.	165.0M	6.000	7.782	1.000	35.3
280 Degr.	149.8M	6.000	7.782	1.000	33.8
290 Degr.	139.1M	6.000	7.782	1.000	32.8
300 Degr.	144.4M	6.000	7.782	1.000	33.3
310 Degr.	132.2M	6.000	7.782	1.000	32.1
320 Degr.	117.6M	6.000	7.782	1.000	30.6
330 Degr.	104.0M	6.000	7.782	1.000	28.8
340 Degr.	101.4M	6.000	7.782	1.000	28.5
350 Degr.	109.4M	6.000	7.782	1.000	29.6
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Ave. HAAT= 99.5M,      Ant. COR= 416.5M AMSL					

Mapped, edited, and published by the Geological Survey

EXHIBIT 5

